

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No. **50005-167**  
 First Inventor **Richard Craig**  
 Title **METHOD AND APPARATUS FOR THE DETECTION OF HYDROGENOUS MATERIALS**  
 Express Mail Label No.

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

## ADDRESS TO:

Mail Stop Patent Application  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

1. ☒ \*Fee Transmittal Form (e.g., PTO/SB/17)  
 (submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
 See 37 CFR 1.27.
3. ☒ Specification [Total Pages 32]  
 (preferred arrangement set forth below)
- Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference sequence listing, a table, or a computer program listing appendix or computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 16 ]  
☐ Informal ☒ Formal
5. Oath or Declaration [Total Pages 3 ]
- a. ☐ Newly executed (original or copy)
- b. ☒ Copy from a prior application (37 C.F.R. § 1.63(d))  
 (for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**  
 Signed statement attached deleting inventor(s)  
 named in the prior application, see 37 C.F.R. §§  
 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or  
 Computer Program (Appendix)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission  
 (if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. § 3.73(b) Statement ☒ Power of Attorney  
 (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
 (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
 (if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i).  
 Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Appointment of Agent

18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP) of prior application No: 09/771,064

Prior application information: Examiner: Ricardo J. Palabrica Group / Art Unit: 3641

**For CONTINUATION or DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☐ Customer Number: ☐ OR ☒ Correspondence address below

Name Woodard, Emhardt, Moriarty, McNett &amp; Henry LLP

Address Bank One Center/Tower  
 111 Monument Circle, Suite 3700

City Indianapolis State IN Zip Code 46204-5137

Country USA Telephone (317) 634-3456 Fax (317) 637-7561

Name (Print/Type) John M. Bradshaw Registration No. (Attorney/Agent) 46,573

Signature [Signature] Date December 16, 2003

## Express Mail Label Number

Date of Deposit December 16, 2003

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR Section 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature of person mailing paper or fee

This is collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS: SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**FEE TRANSMITTAL  
FOR FY 2003**

Patent fees are subject to annual revision.

**Complete if Known**

Application Number	NEW Application
Filing Date	December 16, 2003
First Named Inventor	Richard Craig
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	50005-167

Total Amount of Payment (\$516.00)

**METHOD OF PAYMENT**
☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None
☒ Deposit Account:

Deposit Account Number 23-3030

Deposit Account Name Woodard, Emhardt, Moriarty, McNett &amp; Henry LLP

The Commissioner is authorized to: (check all that apply)

- ☐ Charge fee(s) indicated below ☒ Credit any overpayments
- ☒ Charge any additional fee(s) during the pendency of this application, excluding the payment of issue fees
- ☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

**FEE CALCULATION****1. BASIC FILING FEE**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility Filing Fee	375.00
1002	330	2002	165	Design Filing Fee	
1003	520	2003	260	Plant Filing Fee	
1004	750	2004	375	Reissue Filing Fee	
1005	160	2005	80	Provisional Filing Fee	
<b>SUBTOTAL (1)</b>					<b>(\$375.00)</b>

**2. EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee From Below	Fee Paid
31	-20** = 11	X 9 =	99.00
4	-3** = 1	X 42 =	42.00

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1201	84	2201	42	Claims in excess of 20
1203	280	2203	140	Independent claims in excess of 3
1204	84	2204	42	Multiple dependent claim, if not paid
1205	18	2205	9	**Reissue independent claims over original patent
				**Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2) (\$141.00)**

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner's Action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner's Action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Petitions related to provisional applications	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other Fee (specify) \_\_\_\_\_

\* Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$0.00)****SUBMITTED BY**

Name (Print/Type)

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46,573

(Attorney/Agent)

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Signature

Date

December 16, 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:	)	
	)	Before the Examiner
Richard Craig et al	)	R. Palabrica
	)	
Application No. 09/771,064	)	
	)	Group Art Unit 3641
Filed: January 26, 2001	)	
	)	
METHOD AND APPARATUS FOR THE	)	
DETECTION OF HYDROGENOUS MATERIALS)	)	

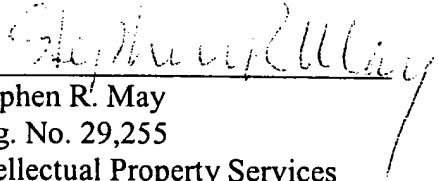
**APPOINTMENT OF AGENT**

Honorable Assistant Commissioner  
for Patents  
Alexandria, VA 20231

The undersigned attorney of record hereby appoints the following attorney as an attorney of record in connection with the above-captioned case: John M. Bradshaw, Reg. No. 50,453. This attorney is a member of the firm of Woodard, Emhardt, Moriarty, McNett & Henry LLP, Bank One Center/Tower, 111 Monument Circle, Suite 3700, Indianapolis, Indiana 46204-5137.

Respectfully submitted,

By: \_\_\_\_\_

  
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